	INTERNATIONAL SEARCH REPORT	International application No.
		PCT/JP2005/001223
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According to Int	30:02, 30:08 ernational Patent Classification (IPC) or to both national classification and IP	C
B. FIELDS SE	ARCHED	
Minimum docum Int.Cl	nentation searched (classification system followed by classification symbols) C07C47/02, C07C53/126, 69/24-69/33, C10M 105/34, 105/38, 129/24, 129/40, 129/70, C10N30:00, 30:02, 30:08	
Jitsuyo	searched other than minimum documentation to the extent that such documentation that such documentatio	
	ase consulted during the international search (name of data base and, where p , CASREACT (STN), REGISTRY (STN)	oracticable, search terms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages Relevant to claim N
X Y	JP 57-200325 A (Chemische Werk Hiils AG. 08 December, 1982 (08.12.82), Claims 1 to 3; examples 2, 3 & US 4460510 A & DE 3121573 A), 1-5,8,10 6-7,11-12
х	JP 8-127963 A (Sanyo Chemical Industries Ltd.), 21 May, 1996 (21.05.96), Claim 1; compound No. 1 (Family: none)	1-4,6,8

A	Ltd.), 21 May, 1996 (21.05.96), Claim 1; compound No. 1 (Family: none)	1-4,0,6
х	JP 11-61646 A (Sanyo Chemical Industries, Ltd.), 05 March, 1999 (05.03.99), Claim 1; Nos. 2, 3 (Family: none)	1-4,8
× Further do	ocuments are listed in the continuation of Box C. See patent family annex.	

	Further documents are listed in the continuation of Box C.		See patent family annex.
*.	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" "P"	document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than		combined with one or more other such documents, such combination being obvious to a person skilled in the art
	the priority date claimed	.	document member of the same patent family
	of the actual completion of the international search 09 June, 2005 (09.06.05)	Dat	e of mailing of the international search report 26 July, 2005 (26.07.05)
	e and mailing address of the ISA Japanese Patent Office	Aut	horized officer
	mile No.	Tele	ephone Nc.
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(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
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X Y	GB 1239394 A (BRITISH PETROLEUM), 14 July, 1971 (14.07.71), Claim 1; example 1 & NL 6811664 A	1-5,8,10 6-7	
x	JP 8-183724 A (Kao Corp.), 16 July, 1996 (16.07.96), Claim 1; example 1 (Family: none)	1-3,5,9	
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Y	KARINEN, R.S. et al., Catalytic synthesis of a novel tertiary ether, 3-methoxy-3-methylheptane, from1-butene, Journal of Molecular Catalysis A: Chemical, 2000, 152(1-2), 253-255, page 254, left column, formula (1)	11-12	
Y	Toshio SAKURAI, "Shinpan Junkatsu no Butsuri Kagaku", Saiwai Shobo, 1978, pages 201 to 204	6-7	
Y	Edited by CSJ: The Chemical Society of Japan "Jikken Kagaku Koza 21 Yuki Kagaku III", Dai 4 Han, Maruzen Co., Ltd., 1991, pages 58 to 60	11-12	